Civil Engineering Database Subject Heading Index

The **Civil Engineering Database (CEDB)** is designed to provide free, easy bibliographic access to all ASCE publications. The database covers ASCE documents published since 1970. It provides access to all the journals, conference proceedings, books, standards, manuals, magazines, and newspapers. The index terms below were assigned to papers published in this journal during 2007 from a CEDB subject heading list. The CEDB and subject heading list can be accessed on the Web at *http://cedb.asce.org/*.

Adaptive systems

Model Reference Adaptive Control Framework for Real-Time Traffic Management under Emergency Evacuation — Henry X. Liu, Jeff X. Ban, Wenteng Ma, and Pitu B. Mirchandani; 133 (1), 43-50 (2007).

Algorithms

Optimizing Rail Transit Routes with Genetic Algorithms and Geographic Information System — Manoj K. Jha, Paul Schonfeld, and Sutapa Samanta; 133 (3), 161-71 (2007).

Benefit cost ratios

Integrated Cost–Benefit Analysis with Environmental Factors for a Transportation Project: Case of Pinglin Interchange in Taiwan — Cheng-Min Feng and Shu-Mei Wang; 133 (3), 172-8 (2007).

Buses

Impacts of Bus Rapid Transit Lanes on Traffic and Commuter Mobility — Vaishali M. Patankar, Rakesh Kumar, and Geetam Tiwari; 133 (2), 99-106 (2007).

Evaluating the Performance of Privatization on Regional Transit Services: Case Study — Hsun-Jung Cho and Chih-Ku Fan; 133 (2), 119-27 (2007).

Business districts

Role of Transportation Accessibility in Attracting New Businesses to New Jersey — D. Ozmen-Ertekin, K. Ozbay, and J. Holguin-Veras; 133 (2), 138-49 (2007).

Case reports

Case Study: Relationship of Walk Access Distance to Transit with Service, Travel, and Personal Characteristics — B. W. Alshalalfah and A. S. Shalaby; 133 (2), 114-8 (2007).

Evaluating the Performance of Privatization on Regional Transit Services: Case Study — Hsun-Jung Cho and Chih-Ku Fan; 133 (2), 119-27 (2007).

China

Estimating Water Quality Pollution Impacts Based on Economic Loss Models in Urbanization Process in Xi'an, China — Hongming He, Jie Zhou, Yongjao Wu, Qian Yu, Wanchang Zhang, and Xiuping Xie; 133 (3), 151-60 (2007).

Computer applications

Using Virtual Environment Technology to Improve Public Participation in Urban Planning Process — T. L. J. Howard and N. Gaborit; 133 (4), 233-41 (2007).

Disasters

Perspectives for Network Management in Response to Unplanned Disruptions — Pamela Murray-Tuite; 133 (1), 9-17 (2007).

Emergency Planning in the Urban-Wildland Interface: Subdivision-Level Analysis of Wildfire Evacuations — Brian Wolshon and Emile Marchive; 133 (1), 73-81 (2007).

Fund Allocation for Transportation Network Recovery Following Natural Disasters — Matthew G. Karlaftis, Konstantinos L. Kepaptsoglou, and Sergios Lambropoulos; 133 (1), 82-9 (2007).

Economic models

Estimating Water Quality Pollution Impacts Based on Economic Loss Models in Urbanization Process in Xi'an, China — Hongming He, Jie Zhou, Yongjao Wu, Qian Yu, Wanchang Zhang, and Xiuping Xie; 133 (3), 151-60 (2007).

Emergency services

Perspectives for Network Management in Response to Unplanned Disruptions — Pamela Murray-Tuite; 133 (1), 9-17 (2007).

Model Reference Adaptive Control Framework for Real-Time Traffic Management under Emergency Evacuation — Henry X. Liu, Jeff X. Ban, Wenteng Ma, and Pitu B. Mirchandani; 133 (1), 43-50 (2007).

Application of Traffic Simulation Modeling for Improved Emergency Preparedness Planning — Virginia P. Sisiopiku; 133 (1), 51-60 (2007).

Emergency Planning in the Urban-Wildland Interface: Subdivision-Level Analysis of Wildfire Evacuations — Brian Wolshon and Emile Marchive; 133 (1), 73-81 (2007).

Environmental issues

Integrated Cost–Benefit Analysis with Environmental Factors for a Transportation Project: Case of Pinglin Interchange in Taiwan — Cheng-Min Feng and Shu-Mei Wang; 133 (3), 172-8 (2007).

Evacuation

What Is an Effective Evacuation Operation? — Lee D. Han, Fang Yuan, and Thomas Urbanik; 133 (1), 3-8 (2007).

Perspectives for Network Management in Response to Unplanned Disruptions — Pamela Murray-Tuite; 133 (1), 9-17 (2007).

Critical Behavioral Assumptions in Evacuation Time Estimate Analysis for Private Vehicles: Examples from Hurricane Research and Planning — Michael K. Lindell and Carla S. Prater; 133 (1), 18-29 (2007).

Traffic Signal Timing for Urban Evacuation — Ming Chen, Lichun Chen, and Elise Miller-Hooks; 133 (1), 30-42 (2007).

Model Reference Adaptive Control Framework for Real-Time Traffic Management under Emergency Evacuation — Henry X. Liu, Jeff X. Ban, Wenteng Ma, and Pitu B. Mirchandani; 133 (1), 43-50 (2007).

Simulation and Analysis of Freeway Lane Reversal for Coastal Hurricane Evacuation — Billy M. Williams, Anthony P. Tagliaferri, Stephen S. Meinhold, Joseph E. Hummer, and Nagui M. Rouphail; 133 (1), 61-72 (2007).

Emergency Planning in the Urban-Wildland Interface: Subdivision-Level Analysis of Wildfire Evacuations — Brian Wolshon and Emile Marchive; 133 (1), 73-81 (2007).

Evaluation

Evaluating the Performance of Privatization on Regional Transit Services: Case Study — Hsun-Jung Cho and Chih-Ku Fan; 133 (2), 119-27 (2007).

Fires

Emergency Planning in the Urban-Wildland Interface: Subdivision-Level Analysis of Wildfire Evacuations — Brian Wolshon and Emile Marchive; 133 (1), 73-81 (2007).

Funding allocations

Fund Allocation for Transportation Network Recovery Following Natural Disasters — Matthew G. Karlaftis, Konstantinos L. Kepaptsoglou, and Sergios Lambropoulos; 133 (1), 82-9 (2007).

Geographic information systems

Optimizing Rail Transit Routes with Genetic Algorithms and Geographic Information System — Manoj K. Jha, Paul Schonfeld, and Sutapa Samanta; 133 (3), 161-71 (2007).

Area-Based Models of Highway Growth — David Levinson and Wei Chen; 133 (4), 250-4 (2007).

Germany

Effects of Urban Land Use on Surface Temperature in Berlin: Case Study — Christoph Kottmeier, Claudia Biegert, and Ulrich Corsmeier; 133 (2), 128-37 (2007).

Graphic methods

Using Virtual Environment Technology to Improve Public Participation in Urban Planning Process — T. L. J. Howard and N. Gaborit; 133 (4), 233-41 (2007).

Highway construction

Integrated Cost–Benefit Analysis with Environmental Factors for a Transportation Project: Case of Pinglin Interchange in Taiwan — Cheng-Min Feng and Shu-Mei Wang; 133 (3), 172-8 (2007).

Highways

Simulation and Analysis of Freeway Lane Reversal for Coastal Hurricane Evacuation — Billy M.

Civil Engineering Database Subject Heading Index

The **Civil Engineering Database (CEDB)** is designed to provide free, easy bibliographic access to all ASCE publications. The database covers ASCE documents published since 1970. It provides access to all the journals, conference proceedings, books, standards, manuals, magazines, and newspapers. The index terms below were assigned to papers published in this journal during 2007 from a CEDB subject heading list. The CEDB and subject heading list can be accessed on the Web at *http://cedb.asce.org/*.

Adaptive systems

Model Reference Adaptive Control Framework for Real-Time Traffic Management under Emergency Evacuation — Henry X. Liu, Jeff X. Ban, Wenteng Ma, and Pitu B. Mirchandani; 133 (1), 43-50 (2007).

Algorithms

Optimizing Rail Transit Routes with Genetic Algorithms and Geographic Information System — Manoj K. Jha, Paul Schonfeld, and Sutapa Samanta; 133 (3), 161-71 (2007).

Benefit cost ratios

Integrated Cost–Benefit Analysis with Environmental Factors for a Transportation Project: Case of Pinglin Interchange in Taiwan — Cheng-Min Feng and Shu-Mei Wang; 133 (3), 172-8 (2007).

Buses

Impacts of Bus Rapid Transit Lanes on Traffic and Commuter Mobility — Vaishali M. Patankar, Rakesh Kumar, and Geetam Tiwari; 133 (2), 99-106 (2007).

Evaluating the Performance of Privatization on Regional Transit Services: Case Study — Hsun-Jung Cho and Chih-Ku Fan; 133 (2), 119-27 (2007).

Business districts

Role of Transportation Accessibility in Attracting New Businesses to New Jersey — D. Ozmen-Ertekin, K. Ozbay, and J. Holguin-Veras; 133 (2), 138-49 (2007).

Case reports

Case Study: Relationship of Walk Access Distance to Transit with Service, Travel, and Personal Characteristics — B. W. Alshalalfah and A. S. Shalaby; 133 (2), 114-8 (2007).

Evaluating the Performance of Privatization on Regional Transit Services: Case Study — Hsun-Jung Cho and Chih-Ku Fan; 133 (2), 119-27 (2007).

China

Estimating Water Quality Pollution Impacts Based on Economic Loss Models in Urbanization Process in Xi'an, China — Hongming He, Jie Zhou, Yongjao Wu, Qian Yu, Wanchang Zhang, and Xiuping Xie; 133 (3), 151-60 (2007).

Computer applications

Using Virtual Environment Technology to Improve Public Participation in Urban Planning Process — T. L. J. Howard and N. Gaborit; 133 (4), 233-41 (2007).

Disasters

Perspectives for Network Management in Response to Unplanned Disruptions — Pamela Murray-Tuite; 133 (1), 9-17 (2007).

Emergency Planning in the Urban-Wildland Interface: Subdivision-Level Analysis of Wildfire Evacuations — Brian Wolshon and Emile Marchive; 133 (1), 73-81 (2007).

Fund Allocation for Transportation Network Recovery Following Natural Disasters — Matthew G. Karlaftis, Konstantinos L. Kepaptsoglou, and Sergios Lambropoulos; 133 (1), 82-9 (2007).

Economic models

Estimating Water Quality Pollution Impacts Based on Economic Loss Models in Urbanization Process in Xi'an, China — Hongming He, Jie Zhou, Yongjao Wu, Qian Yu, Wanchang Zhang, and Xiuping Xie; 133 (3), 151-60 (2007).

Emergency services

Perspectives for Network Management in Response to Unplanned Disruptions — Pamela Murray-Tuite; 133 (1), 9-17 (2007).

Model Reference Adaptive Control Framework for Real-Time Traffic Management under Emergency Evacuation — Henry X. Liu, Jeff X. Ban, Wenteng Ma, and Pitu B. Mirchandani; 133 (1), 43-50 (2007).

Application of Traffic Simulation Modeling for Improved Emergency Preparedness Planning — Virginia P. Sisiopiku; 133 (1), 51-60 (2007).

Emergency Planning in the Urban-Wildland Interface: Subdivision-Level Analysis of Wildfire Evacuations — Brian Wolshon and Emile Marchive; 133 (1), 73-81 (2007).

Environmental issues

Integrated Cost–Benefit Analysis with Environmental Factors for a Transportation Project: Case of Pinglin Interchange in Taiwan — Cheng-Min Feng and Shu-Mei Wang; 133 (3), 172-8 (2007).

Evacuation

What Is an Effective Evacuation Operation? — Lee D. Han, Fang Yuan, and Thomas Urbanik; 133 (1), 3-8 (2007).

Perspectives for Network Management in Response to Unplanned Disruptions — Pamela Murray-Tuite; 133 (1), 9-17 (2007).

Critical Behavioral Assumptions in Evacuation Time Estimate Analysis for Private Vehicles: Examples from Hurricane Research and Planning — Michael K. Lindell and Carla S. Prater; 133 (1), 18-29 (2007).

Traffic Signal Timing for Urban Evacuation — Ming Chen, Lichun Chen, and Elise Miller-Hooks; 133 (1), 30-42 (2007).

Model Reference Adaptive Control Framework for Real-Time Traffic Management under Emergency Evacuation — Henry X. Liu, Jeff X. Ban, Wenteng Ma, and Pitu B. Mirchandani; 133 (1), 43-50 (2007).

Simulation and Analysis of Freeway Lane Reversal for Coastal Hurricane Evacuation — Billy M. Williams, Anthony P. Tagliaferri, Stephen S. Meinhold, Joseph E. Hummer, and Nagui M. Rouphail; 133 (1), 61-72 (2007).

Emergency Planning in the Urban-Wildland Interface: Subdivision-Level Analysis of Wildfire Evacuations — Brian Wolshon and Emile Marchive; 133 (1), 73-81 (2007).

Evaluation

Evaluating the Performance of Privatization on Regional Transit Services: Case Study — Hsun-Jung Cho and Chih-Ku Fan; 133 (2), 119-27 (2007).

Fires

Emergency Planning in the Urban-Wildland Interface: Subdivision-Level Analysis of Wildfire Evacuations — Brian Wolshon and Emile Marchive; 133 (1), 73-81 (2007).

Funding allocations

Fund Allocation for Transportation Network Recovery Following Natural Disasters — Matthew G. Karlaftis, Konstantinos L. Kepaptsoglou, and Sergios Lambropoulos; 133 (1), 82-9 (2007).

Geographic information systems

Optimizing Rail Transit Routes with Genetic Algorithms and Geographic Information System — Manoj K. Jha, Paul Schonfeld, and Sutapa Samanta; 133 (3), 161-71 (2007).

Area-Based Models of Highway Growth — David Levinson and Wei Chen; 133 (4), 250-4 (2007).

Germany

Effects of Urban Land Use on Surface Temperature in Berlin: Case Study — Christoph Kottmeier, Claudia Biegert, and Ulrich Corsmeier; 133 (2), 128-37 (2007).

Graphic methods

Using Virtual Environment Technology to Improve Public Participation in Urban Planning Process — T. L. J. Howard and N. Gaborit; 133 (4), 233-41 (2007).

Highway construction

Integrated Cost–Benefit Analysis with Environmental Factors for a Transportation Project: Case of Pinglin Interchange in Taiwan — Cheng-Min Feng and Shu-Mei Wang; 133 (3), 172-8 (2007).

Highways

Simulation and Analysis of Freeway Lane Reversal for Coastal Hurricane Evacuation — Billy M.

Williams, Anthony P. Tagliaferri, Stephen S. Meinhold, Joseph E. Hummer, and Nagui M. Rouphail; 133 (1), 61-72 (2007).

Location Modeling of Population and Land-Use Change in Rural Area by New Expressway — Dae-Sik Kim; 133 (3), 201-10 (2007).

Area-Based Models of Highway Growth — David Levinson and Wei Chen; 133 (4), 250-4 (2007).

Housing

Fiscal Impacts of Alternative Single-Family Housing Densities — Mohammad Najafi, Rayman Mohamed, A. K. Tayebi, Soji Adelaja, and Mary Beth Lake; 133 (3), 179-87 (2007).

Hurricanes

Critical Behavioral Assumptions in Evacuation Time Estimate Analysis for Private Vehicles: Examples from Hurricane Research and Planning — Michael K. Lindell and Carla S. Prater; 133 (1), 18-29 (2007).

Simulation and Analysis of Freeway Lane Reversal for Coastal Hurricane Evacuation — Billy M. Williams, Anthony P. Tagliaferri, Stephen S. Meinhold, Joseph E. Hummer, and Nagui M. Rouphail; 133 (1), 61-72 (2007).

India

Impacts of Bus Rapid Transit Lanes on Traffic and Commuter Mobility — Vaishali M. Patankar, Rakesh Kumar, and Geetam Tiwari; 133 (2), 99-106 (2007).

Infrastructure

Fund Allocation for Transportation Network Recovery Following Natural Disasters — Matthew G. Karlaftis, Konstantinos L. Kepaptsoglou, and Sergios Lambropoulos; 133 (1), 82-9 (2007).

Fiscal Impacts of Alternative Single-Family Housing Densities — Mohammad Najafi, Rayman Mohamed, A. K. Tayebi, Soji Adelaja, and Mary Beth Lake; 133 (3), 179-87 (2007).

Interchanges

Integrated Cost–Benefit Analysis with Environmental Factors for a Transportation Project: Case of Pinglin Interchange in Taiwan — Cheng-Min Feng and Shu-Mei Wang; 133 (3), 172-8 (2007).

Land usage

Effects of Urban Land Use on Surface Temperature in Berlin: Case Study — Christoph Kottmeier, Claudia Biegert, and Ulrich Corsmeier; 133 (2), 128-37 (2007).

Location Modeling of Population and Land-Use Change in Rural Area by New Expressway — Dae-Sik Kim; 133 (3), 201-10 (2007).

Area-Based Models of Highway Growth — David Levinson and Wei Chen; 133 (4), 250-4 (2007).

Life cycles

Fiscal Impacts of Alternative Single-Family Housing Densities — Mohammad Najafi, Rayman Mohamed, A. K. Tayebi, Soji Adelaja, and Mary Beth Lake; 133 (3), 179-87 (2007).

Meteorology

Effects of Urban Land Use on Surface Temperature in Berlin: Case Study — Christoph Kottmeier, Claudia Biegert, and Ulrich Corsmeier; 133 (2), 128-37 (2007).

Modal analysis

Impact of Transit-Pass Ownership on Daily Number of Trips Made by Urban Public Transit — D. A. Badoe and M. K. Yendeti; 133 (4), 242-9 (2007).

Network analysis

Perspectives for Network Management in Response to Unplanned Disruptions — Pamela Murray-Tuite; 133 (1), 9-17 (2007).

Network design

Evaluating Urban Downtown One-Way to Two-Way Street Conversion Using Multiple Resolution Simulation and Assignment Approach — Yi-Chang Chiu, Xuesong Zhou, and Jessica Hernandez; 133 (4), 222-32 (2007).

New Jersey

Role of Transportation Accessibility in Attracting New Businesses to New Jersey — D. Ozmen-Ertekin, K. Ozbay, and J. Holguin-Veras; 133 (2), 138-49 (2007).

Optimization

What Is an Effective Evacuation Operation? — Lee D. Han, Fang Yuan, and Thomas Urbanik; 133 (1), 3-8 (2007).

Optimizing Rail Transit Routes with Genetic Algorithms and Geographic Information System — Manoj K. Jha, Paul Schonfeld, and Sutapa Samanta; 133 (3), 161-71 (2007).

Parking facilities

Integrating Mobility Management in Land Development Planning with Off-Street Parking Regulations — Roman Klementschitz, Juliane Stark, and Gerd Sammer; 133 (2), 107-13 (2007).

Pedestrians

Case Study: Relationship of Walk Access Distance to Transit with Service, Travel, and Personal Characteristics — B. W. Alshalalfah and A. S. Shalaby; 133 (2), 114-8 (2007).

Modeling Pedestrian Walking Speeds on Sidewalks — Marwan Al-Azzawi and Robert Raeside; 133 (3), 211-9 (2007).

Performance characteristics

Evaluating the Performance of Privatization on Regional Transit Services: Case Study — Hsun-Jung Cho and Chih-Ku Fan; 133 (2), 119-27 (2007).

Predictions

Modeling Pedestrian Walking Speeds on Sidewalks — Marwan Al-Azzawi and Robert Raeside; 133 (3), 211-9 (2007).

Area-Based Models of Highway Growth — David Levinson and Wei Chen; 133 (4), 250-4 (2007).

Privatization

Evaluating the Performance of Privatization on Regional Transit Services: Case Study — Hsun-Jung Cho and Chih-Ku Fan; 133 (2), 119-27 (2007).

Probability

Impact of Transit-Pass Ownership on Daily Number of Trips Made by Urban Public Transit — D. A. Badoe and M. K. Yendeti; 133 (4), 242-9 (2007).

Productivity

Evaluating the Performance of Privatization on Regional Transit Services: Case Study — Hsun-Jung Cho and Chih-Ku Fan; 133 (2), 119-27 (2007).

Public participation

Using Virtual Environment Technology to Improve Public Participation in Urban Planning Process — T. L. J. Howard and N. Gaborit; 133 (4), 233-41 (2007).

Public transportation

Impact of Transit-Pass Ownership on Daily Number of Trips Made by Urban Public Transit — D. A. Badoe and M. K. Yendeti; 133 (4), 242-9 (2007).

Rapid transit systems

Impacts of Bus Rapid Transit Lanes on Traffic and Commuter Mobility — Vaishali M. Patankar, Rakesh Kumar, and Geetam Tiwari; 133 (2), 99-106 (2007).

Optimizing Rail Transit Routes with Genetic Algorithms and Geographic Information System — Manoj K. Jha, Paul Schonfeld, and Sutapa Samanta; 133 (3), 161-71 (2007).

Regression models

Modeling Pedestrian Walking Speeds on Sidewalks — Marwan Al-Azzawi and Robert Raeside; 133 (3), 211-9 (2007).

Regulations

Integrating Mobility Management in Land Development Planning with Off-Street Parking Regulations — Roman Klementschitz, Juliane Stark, and Gerd Sammer; 133 (2), 107-13 (2007).

Remote sensing

Effects of Urban Land Use on Surface Temperature in Berlin: Case Study — Christoph Kottmeier, Claudia Biegert, and Ulrich Corsmeier; 133 (2), 128-37 (2007).

Risk management

What Is an Effective Evacuation Operation? — Lee D. Han, Fang Yuan, and Thomas Urbanik; 133 (1), 3-8 (2007).

Routing

Optimizing Rail Transit Routes with Genetic Algorithms and Geographic Information System — Manoj K. Jha, Paul Schonfeld, and Sutapa Samanta; 133 (3), 161-71 (2007).

Area-Based Models of Highway Growth — David Levinson and Wei Chen; 133 (4), 250-4 (2007).

Rural areas

Location Modeling of Population and Land-Use Change in Rural Area by New Expressway — Dae-Sik Kim; 133 (3), 201-10 (2007).

Safety

What Is an Effective Evacuation Operation? — Lee D. Han, Fang Yuan, and Thomas Urbanik; 133 (1), 3-8 (2007).

Security

What Is an Effective Evacuation Operation? — Lee D. Han, Fang Yuan, and Thomas Urbanik; 133 (1), 3-8 (2007).

Application of Traffic Simulation Modeling for Improved Emergency Preparedness Planning — Virginia P. Sisiopiku; 133 (1), 51-60 (2007).

Sewers

Fiscal Impacts of Alternative Single-Family Housing Densities — Mohammad Najafi, Rayman Mohamed, A. K. Tayebi, Soji Adelaja, and Mary Beth Lake; 133 (3), 179-87 (2007).

Simulation

Traffic Signal Timing for Urban Evacuation —

Ming Chen, Lichun Chen, and Elise Miller-Hooks; 133 (1), 30-42 (2007).

Application of Traffic Simulation Modeling for Improved Emergency Preparedness Planning — Virginia P. Sisiopiku; 133 (1), 51-60 (2007).

Simulation and Analysis of Freeway Lane Reversal for Coastal Hurricane Evacuation — Billy M. Williams, Anthony P. Tagliaferri, Stephen S. Meinhold, Joseph E. Hummer, and Nagui M. Rouphail; 133 (1), 61-72 (2007).

Evaluating Urban Downtown One-Way to Two-Way Street Conversion Using Multiple Resolution Simulation and Assignment Approach — Yi-Chang Chiu, Xuesong Zhou, and Jessica Hernandez; 133 (4), 222-32 (2007).

Statistics

Area-Based Models of Highway Growth — David Levinson and Wei Chen; 133 (4), 250-4 (2007).

Streets

Integrating Mobility Management in Land Development Planning with Off-Street Parking Regulations — Roman Klementschitz, Juliane Stark, and Gerd Sammer; 133 (2), 107-13 (2007).

Taiwan

Integrated Cost–Benefit Analysis with Environmental Factors for a Transportation Project: Case of Pinglin Interchange in Taiwan — Cheng-Min Feng and Shu-Mei Wang; 133 (3), 172-8 (2007).

Temperature effects

Effects of Urban Land Use on Surface Temperature in Berlin: Case Study — Christoph Kottmeier, Claudia Biegert, and Ulrich Corsmeier; 133 (2), 128-37 (2007).

Terrorism

Perspectives for Network Management in Response to Unplanned Disruptions — Pamela Murray-Tuite; 133 (1), 9-17 (2007).

Traffic analysis

Evaluating Urban Downtown One-Way to Two-Way Street Conversion Using Multiple Resolution Simulation and Assignment Approach — Yi-Chang Chiu, Xuesong Zhou, and Jessica Hernandez; 133 (4), 222-32 (2007).

Traffic assignment

Evaluating Urban Downtown One-Way to Two-Way Street Conversion Using Multiple Resolution Simulation and Assignment Approach — Yi-Chang Chiu, Xuesong Zhou, and Jessica Hernandez; 133 (4), 222-32 (2007).

Traffic delay

Traffic Signal Timing for Urban Evacuation — Ming Chen, Lichun Chen, and Elise Miller-Hooks; 133 (1), 30-42 (2007).

Traffic management

Critical Behavioral Assumptions in Evacuation Time Estimate Analysis for Private Vehicles: Examples from Hurricane Research and Planning — Michael K. Lindell and Carla S. Prater; 133 (1), 18-29 (2007).

Model Reference Adaptive Control Framework for Real-Time Traffic Management under Emergency Evacuation — Henry X. Liu, Jeff X. Ban, Wenteng Ma, and Pitu B. Mirchandani; 133 (1), 43-50 (2007).

Application of Traffic Simulation Modeling for Improved Emergency Preparedness Planning — Virginia P. Sisiopiku; 133 (1), 51-60 (2007).

Simulation and Analysis of Freeway Lane Reversal for Coastal Hurricane Evacuation — Billy M. Williams, Anthony P. Tagliaferri, Stephen S. Meinhold, Joseph E. Hummer, and Nagui M. Rouphail; 133 (1), 61-72 (2007).

Emergency Planning in the Urban-Wildland Interface: Subdivision-Level Analysis of Wildfire Evacuations — Brian Wolshon and Emile Marchive; 133 (1), 73-81 (2007).

Impacts of Bus Rapid Transit Lanes on Traffic and Commuter Mobility — Vaishali M. Patankar, Rakesh Kumar, and Geetam Tiwari; 133 (2), 99-106 (2007).

Traffic models

Critical Behavioral Assumptions in Evacuation Time Estimate Analysis for Private Vehicles: Examples from Hurricane Research and Planning — Michael K. Lindell and Carla S. Prater; 133 (1), 18-29 (2007).

Traffic signals

Traffic Signal Timing for Urban Evacuation — Ming Chen, Lichun Chen, and Elise Miller-Hooks; 133 (1), 30-42 (2007).

Traffic speed

Modeling Pedestrian Walking Speeds on Sidewalks — Marwan Al-Azzawi and Robert Raeside; 133 (3), 211-9 (2007).

Transportation models

Integrated Modeling Approach for the Transportation Disadvantaged — Yavuz Duvarci and Tan Yigitcanlar; 133 (3), 188-200 (2007).

Impact of Transit-Pass Ownership on Daily Number of Trips Made by Urban Public Transit — D. A. Badoe and M. K. Yendeti; 133 (4), 242-9 (2007).

Transportation networks

Traffic Signal Timing for Urban Evacuation — Ming Chen, Lichun Chen, and Elise Miller-Hooks; 133 (1), 30-42 (2007).

Fund Allocation for Transportation Network Recovery Following Natural Disasters — Matthew G. Karlaftis, Konstantinos L. Kepaptsoglou, and Sergios Lambropoulos; 133 (1), 82-9 (2007).

Transportation planning

Role of Transportation Accessibility in Attracting New Businesses to New Jersey — D. Ozmen-Ertekin, K. Ozbay, and J. Holguin-Veras; 133 (2), 138-49 (2007).

Transportation studies

Integrated Modeling Approach for the Transportation Disadvantaged — Yavuz Duvarci and Tan Yigitcanlar; 133 (3), 188-200 (2007).

Transportation systems

Integrated Cost–Benefit Analysis with Environmental Factors for a Transportation Project: Case of Pinglin Interchange in Taiwan — Cheng-Min Feng and Shu-Mei Wang; 133 (3), 172-8 (2007).

Travel demand

Impact of Transit-Pass Ownership on Daily Number of Trips Made by Urban Public Transit — D. A. Badoe and M. K. Yendeti; 133 (4), 242-9 (2007).

Urban areas

Traffic Signal Timing for Urban Evacuation — Ming Chen, Lichun Chen, and Elise Miller-Hooks; 133 (1), 30-42 (2007).

Fund Allocation for Transportation Network Recovery Following Natural Disasters — Matthew G. Karlaftis, Konstantinos L. Kepaptsoglou, and Sergios Lambropoulos; 133 (1), 82-9 (2007).

Effects of Urban Land Use on Surface Temperature in Berlin: Case Study — Christoph Kottmeier, Claudia Biegert, and Ulrich Corsmeier; 133 (2), 128-37 (2007).

Role of Transportation Accessibility in Attracting New Businesses to New Jersey — D. Ozmen-Ertekin, K. Ozbay, and J. Holguin-Veras; 133 (2), 138-49 (2007).

Modeling Pedestrian Walking Speeds on Sidewalks — Marwan Al-Azzawi and Robert Raeside; 133 (3), 211-9 (2007).

Evaluating Urban Downtown One-Way to Two-Way Street Conversion Using Multiple Resolution Simulation and Assignment Approach — Yi-Chang Chiu, Xuesong Zhou, and Jessica Hernandez; 133 (4), 222-32 (2007).

Impact of Transit-Pass Ownership on Daily Number of Trips Made by Urban Public Transit — D. A. Badoe and M. K. Yendeti; 133 (4), 242-9 (2007).

Urban development

Integrating Mobility Management in Land Development Planning with Off-Street Parking Regulations — Roman Klementschitz, Juliane Stark, and Gerd Sammer; 133 (2), 107-13 (2007).

Using Virtual Environment Technology to Improve Public Participation in Urban Planning Process — T. L. J. Howard and N. Gaborit; 133 (4), 233-41 (2007).

Urban planning

Integrating Mobility Management in Land Development Planning with Off-Street Parking Regulations — Roman Klementschitz, Juliane Stark, and Gerd Sammer; 133 (2), 107-13 (2007).

Integrated Modeling Approach for the Transportation Disadvantaged — Yavuz Duvarci and Tan Yigitcanlar; 133 (3), 188-200 (2007).

Urban transportation

Case Study: Relationship of Walk Access Distance to Transit with Service, Travel, and Personal Characteristics — B. W. Alshalalfah and A. S. Shalaby; 133 (2), 114-8 (2007).

Urbanization

Estimating Water Quality Pollution Impacts Based on Economic Loss Models in Urbanization Process in Xi'an, China — Hongming He, Jie Zhou, Yongjao Wu, Qian Yu, Wanchang Zhang, and Xiuping Xie; 133 (3), 151-60 (2007).

Vehicles

Critical Behavioral Assumptions in Evacuation Time Estimate Analysis for Private Vehicles: Examples from Hurricane Research and Planning — Michael K. Lindell and Carla S. Prater; 133 (1), 18-29 (2007).

Walkways

Modeling Pedestrian Walking Speeds on Sidewalks — Marwan Al-Azzawi and Robert Raeside; 133 (3), 211-9 (2007).

Water pollution
Estimating Water Quality Pollution Impacts Based on Economic Loss Models in Urbanization Process in Xi'an, China — Hongming He, Jie Zhou, Yongjao Wu, Qian Yu, Wanchang Zhang, and Xiuping Xie; 133 (3), 151-60 (2007).

Water quality
Estimating Water Quality Pollution Impacts Based on Economic Loss Models in Urbanization Process in Xi'an, China — Hongming He, Jie Zhou, Yongjao Wu, Qian Yu, Wanchang Zhang, and Xiuping Xie; 133 (3), 151-60 (2007).

Author Index

Adelaja, Soji
Fiscal Impacts of Alternative Single-Family Housing Densities — Mohammad Najafi, Rayman Mohamed, A. K. Tayebi, Soji Adelaja, and Mary Beth Lake; 133 (3), 179-87 (2007).

Al-Azzawi, Marwan
Modeling Pedestrian Walking Speeds on Sidewalks — Marwan Al-Azzawi and Robert Raeside; 133 (3), 211-9 (2007).

Alshalalfah, B. W.
Case Study: Relationship of Walk Access Distance to Transit with Service, Travel, and Personal Characteristics — B. W. Alshalalfah and A. S. Shalaby; 133 (2), 114-8 (2007).

Badoe, D. A.
Impact of Transit-Pass Ownership on Daily Number of Trips Made by Urban Public Transit — D. A. Badoe and M. K. Yendeti; 133 (4), 242-9 (2007).

Ban, Jeff X.
Model Reference Adaptive Control Framework for Real-Time Traffic Management under Emergency Evacuation — Henry X. Liu, Jeff X. Ban, Wenteng Ma, and Pitu B. Mirchandani; 133 (1), 43-50 (2007).

Biegert, Claudia
Effects of Urban Land Use on Surface Temperature in Berlin: Case Study — Christoph Kottmeier, Claudia Biegert, and Ulrich Corsmeier; 133 (2), 128-37 (2007).

Chang, Shu Chun
Measuring and Assessing Economic Activities of Central Business Districts for Planning Purposes — Shu Chun Chang; 133 (2), 95-8 (2007).

Chen, Lichun
Traffic Signal Timing for Urban Evacuation — Ming Chen, Lichun Chen, and Elise Miller-Hooks; 133 (1), 30-42 (2007).

Chen, Ming
Traffic Signal Timing for Urban Evacuation — Ming Chen, Lichun Chen, and Elise Miller-Hooks; 133 (1), 30-42 (2007).

Chen, Wei
Area-Based Models of Highway Growth — David Levinson and Wei Chen; 133 (4), 250-4 (2007).

Chiu, Yi-Chang
Evaluating Urban Downtown One-Way to Two-Way Street Conversion Using Multiple Resolution Simulation and Assignment Approach — Yi-Chang Chiu, Xuesong Zhou, and Jessica Hernandez; 133 (4), 222-32 (2007).

Cho, Hsun-Jung
Evaluating the Performance of Privatization on Regional Transit Services: Case Study — Hsun-Jung Cho and Chih-Ku Fan; 133 (2), 119-27 (2007).

Corsmeier, Ulrich
Effects of Urban Land Use on Surface Temperature in Berlin: Case Study — Christoph Kottmeier, Claudia Biegert, and Ulrich Corsmeier; 133 (2), 128-37 (2007).

Duvarci, Yavuz
Integrated Modeling Approach for the Transportation Disadvantaged — Yavuz Duvarci and Tan Yigitcanlar; 133 (3), 188-200 (2007).

Fan, Chih-Ku
Evaluating the Performance of Privatization on Regional Transit Services: Case Study — Hsun-Jung Cho and Chih-Ku Fan; 133 (2), 119-27 (2007).

Feng, Cheng-Min
Integrated Cost–Benefit Analysis with Environmental Factors for a Transportation Project: Case of Pinglin Interchange in Taiwan — Cheng-Min Feng and Shu-Mei Wang; 133 (3), 172-8 (2007).

Gaborit, N.
Using Virtual Environment Technology to Improve Public Participation in Urban Planning Process — T. L. J. Howard and N. Gaborit; 133 (4), 233-41 (2007).

Han, Lee D.
What Is an Effective Evacuation Operation? — Lee D. Han, Fang Yuan, and Thomas Urbanik II; 133 (1), 3-8 (2007).

He, Hongming
Estimating Water Quality Pollution Impacts Based on Economic Loss Models in Urbanization Process in Xi'an, China — Hongming He, Jie Zhou, Yongjao Wu, Qian Yu, Wanchang Zhang, and Xiuping Xie; 133 (3), 151-60 (2007).

Hernandez, Jessica
Evaluating Urban Downtown One-Way to Two-Way Street Conversion Using Multiple Resolution Simulation and Assignment Approach — Yi-Chang Chiu, Xuesong Zhou, and Jessica Hernandez; 133 (4), 222-32 (2007).

Holguin-Veras, J.
Role of Transportation Accessibility in Attracting New Businesses to New Jersey — D. Ozmen-Ertekin, K. Ozbay, and J. Holguin-Veras; 133 (2), 138-49 (2007).

Howard, T. L. J.
Using Virtual Environment Technology to Improve Public Participation in Urban Planning Process — T. L. J. Howard and N. Gaborit; 133 (4), 233-41 (2007).

Hummer, Joseph E.
Simulation and Analysis of Freeway Lane Reversal for Coastal Hurricane Evacuation — Billy M. Williams, Anthony P. Tagliaferri, Stephen S. Meinhold, Joseph E. Hummer, and Nagui M. Rouphail; 133 (1), 61-72 (2007).

Jha, Manoj K.
Optimizing Rail Transit Routes with Genetic Algorithms and Geographic Information System — Manoj K. Jha, Paul Schonfeld, and Sutapa Samanta; 133 (3), 161-71 (2007).

Karlaftis, Matthew G.
Fund Allocation for Transportation Network Recovery Following Natural Disasters — Matthew G. Karlaftis, Konstantinos L. Kepaptsoglou, and Sergios Lambropoulos; 133 (1), 82-9 (2007).

Kepaptsoglou, Konstantinos L.
Fund Allocation for Transportation Network Recovery Following Natural Disasters — Matthew G. Karlaftis, Konstantinos L. Kepaptsoglou, and Sergios Lambropoulos; 133 (1), 82-9 (2007).

Kim, Dae-Sik
Location Modeling of Population and Land-Use Change in Rural Area by New Expressway — Dae-Sik Kim; 133 (3), 201-10 (2007).

Klementschitz, Roman
Integrating Mobility Management in Land Development Planning with Off-Street Parking Regulations — Roman Klementschitz, Juliane Stark, and Gerd Sammer; 133 (2), 107-13 (2007).

Kottmeier, Christoph
Effects of Urban Land Use on Surface Temperature in Berlin: Case Study — Christoph Kottmeier, Claudia Biegert, and Ulrich Corsmeier; 133 (2), 128-37 (2007).

Kumar, Rakesh
Impacts of Bus Rapid Transit Lanes on Traffic and Commuter Mobility — Vaishali M. Patankar, Rakesh Kumar, and Geetam Tiwari; 133 (2), 99-106 (2007).

Lake, Mary Beth
Fiscal Impacts of Alternative Single-Family Housing Densities — Mohammad Najafi, Rayman Mohamed, A. K. Tayebi, Soji Adelaja, and Mary Beth Lake; 133 (3), 179-87 (2007).

Lambropoulos, Sergios
Fund Allocation for Transportation Network Recovery Following Natural Disasters — Matthew G. Karlaftis, Konstantinos L. Kepaptsoglou, and Sergios Lambropoulos; 133 (1), 82-9 (2007).

Levinson, David
Area-Based Models of Highway Growth — David Levinson and Wei Chen; 133 (4), 250-4 (2007).

Li, Shuangyan
Research on Rational Urban Growth and Land-Use Issues — Yishao Shi and Shuangyan Li; 133 (2), 91-4 (2007).

Lindell, Michael K.
Critical Behavioral Assumptions in Evacuation Time Estimate Analysis for Private Vehicles: Examples from Hurricane Research and Planning — Michael K. Lindell and Carla S. Prater; 133 (1), 18-29 (2007).

Liu, Henry X.
Model Reference Adaptive Control Framework for Real-Time Traffic Management under Emergency Evacuation — Henry X. Liu, Jeff X. Ban, Wenteng Ma, and Pitu B. Mirchandani; 133 (1), 43-50 (2007).

Ma, Wenteng
Model Reference Adaptive Control Framework for Real-Time Traffic Management under Emergency Evacuation — Henry X. Liu, Jeff X. Ban, Wenteng Ma, and Pitu B. Mirchandani; 133 (1), 43-50 (2007).

Marchive, Emile III
Emergency Planning in the Urban-Wildland Interface: Subdivision-Level Analysis of Wildfire Evacuations — Brian Wolshon and Emile Marchive III; 133 (1), 73-81 (2007).
Meinhold, Stephen S.
Simulation and Analysis of Freeway Lane Reversal for Coastal Hurricane Evacuation — Billy M. Williams, Anthony P. Tagliaferri, Stephen S. Meinhold, Joseph E. Hummer, and Nagui M. Rouphail; 133 (1), 61-72 (2007).
Miller-Hooks, Elise
Traffic Signal Timing for Urban Evacuation — Ming Chen, Lichun Chen, and Elise Miller-Hooks; 133 (1), 30-42 (2007).
Mirchandani, Pitu B.
Model Reference Adaptive Control Framework for Real-Time Traffic Management under Emergency Evacuation — Henry X. Liu, Jeff X. Ban, Wenteng Ma, and Pitu B. Mirchandani; 133 (1), 43-50 (2007).
Mohamed, Rayman
Fiscal Impacts of Alternative Single-Family Housing Densities — Mohammad Najafi, Rayman Mohamed, A. K. Tayebi, Soji Adelaja, and Mary Beth Lake; 133 (3), 179-87 (2007).
Murray-Tuite, Pamela
Perspectives for Network Management in Response to Unplanned Disruptions — Pamela Murray-Tuite; 133 (1), 9-17 (2007).
Najafi, Mohammad
Fiscal Impacts of Alternative Single-Family Housing Densities — Mohammad Najafi, Rayman Mohamed, A. K. Tayebi, Soji Adelaja, and Mary Beth Lake; 133 (3), 179-87 (2007).
Ozbay, K.
Role of Transportation Accessibility in Attracting New Businesses to New Jersey — D. Ozmen-Ertekin, K. Ozbay, and J. Holguin-Veras; 133 (2), 138-49 (2007).
Ozmen-Ertekin, D.
Role of Transportation Accessibility in Attracting New Businesses to New Jersey — D. Ozmen-Ertekin, K. Ozbay, and J. Holguin-Veras; 133 (2), 138-49 (2007).
Patankar, Vaishali M.
Impacts of Bus Rapid Transit Lanes on Traffic and Commuter Mobility — Vaishali M. Patankar, Rakesh Kumar, and Geetam Tiwari; 133 (2), 99-106 (2007).
Prater, Carla S.
Critical Behavioral Assumptions in Evacuation Time Estimate Analysis for Private Vehicles: Examples from Hurricane Research and Planning — Michael K. Lindell and Carla S. Prater; 133 (1), 18-29 (2007).
Raeside, Robert
Modeling Pedestrian Walking Speeds on Sidewalks — Marwan Al-Azzawi and Robert Raeside; 133 (3), 211-9 (2007).
Rouphail, Nagui M.
Simulation and Analysis of Freeway Lane Reversal for Coastal Hurricane Evacuation — Billy M. Williams, Anthony P. Tagliaferri, Stephen S. Meinhold, Joseph E. Hummer, and Nagui M. Rouphail; 133 (1), 61-72 (2007).
Samanta, Sutapa
Optimizing Rail Transit Routes with Genetic Algorithms and Geographic Information System — Manoj K. Jha, Paul Schonfeld, and Sutapa Samanta; 133 (3), 161-71 (2007).
Sammer, Gerd
Integrating Mobility Management in Land Development Planning with Off-Street Parking Regulations — Roman Klementschitz, Juliane Stark, and Gerd Sammer; 133 (2), 107-13 (2007).
Schonfeld, Paul
Optimizing Rail Transit Routes with Genetic Algorithms and Geographic Information System — Manoj K. Jha, Paul Schonfeld, and Sutapa Samanta; 133 (3), 161-71 (2007).
Shalaby, A. S.
Case Study: Relationship of Walk Access Distance to Transit with Service, Travel, and Personal Characteristics — B. W. Alshalalfah and A. S. Shalaby; 133 (2), 114-8 (2007).
Shi, Yishao
Research on Rational Urban Growth and Land-Use Issues — Yishao Shi and Shuangyan Li; 133 (2), 91-4 (2007).
Sisiopiku, Virginia P.
Application of Traffic Simulation Modeling for Improved Emergency Preparedness Planning — Virginia P. Sisiopiku; 133 (1), 51-60 (2007).
Stark, Juliane
Integrating Mobility Management in Land Development Planning with Off-Street Parking Regulations — Roman Klementschitz, Juliane Stark, and Gerd Sammer; 133 (2), 107-13 (2007).
Tagliaferri, Anthony P.
Simulation and Analysis of Freeway Lane Reversal for Coastal Hurricane Evacuation — Billy M. Williams, Anthony P. Tagliaferri, Stephen S. Meinhold, Joseph E. Hummer, and Nagui M. Rouphail; 133 (1), 61-72 (2007).
Tayebi, A. K.
Fiscal Impacts of Alternative Single-Family Housing Densities — Mohammad Najafi, Rayman Mohamed, A. K. Tayebi, Soji Adelaja, and Mary Beth Lake; 133 (3), 179-87 (2007).
Tiwari, Geetam
Impacts of Bus Rapid Transit Lanes on Traffic and Commuter Mobility — Vaishali M. Patankar, Rakesh Kumar, and Geetam Tiwari; 133 (2), 99-106 (2007).
Urbanik, Thomas II
What Is an Effective Evacuation Operation? — Lee D. Han, Fang Yuan, and Thomas Urbanik II; 133 (1), 3-8 (2007).
Verma, Ashish
Call for Papers: Special Issue on Challenges in Transportation Planning for Asian Cities — Ashish Verma; 133 (4), 221 (2007).
Wang, Shu-Mei
Integrated Cost–Benefit Analysis with Environmental Factors for a Transportation Project: Case of Pinglin Interchange in Taiwan — Cheng-Min Feng and Shu-Mei Wang; 133 (3), 172-8 (2007).
Williams, Billy M.
Simulation and Analysis of Freeway Lane Reversal for Coastal Hurricane Evacuation — Billy M. Williams, Anthony P. Tagliaferri, Stephen S. Meinhold, Joseph E. Hummer, and Nagui M. Rouphail; 133 (1), 61-72 (2007).
Wolshon, Brian
Emergency Transportation Preparedness, Management, and Response in Urban Planning and Development — Brian Wolshon; 133 (1), 1-2 (2007).
Emergency Planning in the Urban-Wildland Interface: Subdivision-Level Analysis of Wildfire Evacuations — Brian Wolshon and Emile Marchive III; 133 (1), 73-81 (2007).
Wu, Yongjao
Estimating Water Quality Pollution Impacts Based on Economic Loss Models in Urbanization Process in Xi'an, China — Hongming He, Jie Zhou, Yongjao Wu, Qian Yu, Wanchang Zhang, and Xiuping Xie; 133 (3), 151-60 (2007).
Xie, Xiuping
Estimating Water Quality Pollution Impacts Based on Economic Loss Models in Urbanization Process in Xi'an, China — Hongming He, Jie Zhou, Yongjao Wu, Qian Yu, Wanchang Zhang, and Xiuping Xie; 133 (3), 151-60 (2007).
Yendeti, M. K.
Impact of Transit-Pass Ownership on Daily Number of Trips Made by Urban Public Transit — D. A. Badoe and M. K. Yendeti; 133 (4), 242-9 (2007).
Yigitcanlar, Tan
Integrated Modeling Approach for the Transportation Disadvantaged — Yavuz Duvarci and Tan Yigitcanlar; 133 (3), 188-200 (2007).
Yu, Qian
Estimating Water Quality Pollution Impacts Based on Economic Loss Models in Urbanization Process in Xi'an, China — Hongming He, Jie Zhou, Yongjao Wu, Qian Yu, Wanchang Zhang, and Xiuping Xie; 133 (3), 151-60 (2007).
Yuan, Fang
What Is an Effective Evacuation Operation? — Lee D. Han, Fang Yuan, and Thomas Urbanik II; 133 (1), 3-8 (2007).
Zhang, Wanchang
Estimating Water Quality Pollution Impacts Based on Economic Loss Models in Urbanization Process in Xi'an, China — Hongming He, Jie Zhou, Yongjao Wu, Qian Yu, Wanchang Zhang, and Xiuping Xie; 133 (3), 151-60 (2007).
Zhou, Jie
Estimating Water Quality Pollution Impacts Based on Economic Loss Models in Urbanization Process in Xi'an, China — Hongming He, Jie Zhou, Yongjao Wu, Qian Yu, Wanchang Zhang, and Xiuping Xie; 133 (3), 151-60 (2007).
Zhou, Xuesong
Evaluating Urban Downtown One-Way to Two-Way Street Conversion Using Multiple Resolution Simulation and Assignment Approach — Yi-Chang Chiu, Xuesong Zhou, and Jessica Hernandez; 133 (4), 222-32 (2007).